S1 Table. In silico performance of bat-specific DNA mini-barcode primer pairs against all publically accessible Chiroptera COI barcode sequences. In order to compare the potential of primers developed in current study to those previously utilized, we harvested sequences from the Barcode of Life Data Systems (www.barcodinglife.org) without applying the strict taxonomic parameters used for primer design, dereplicated them at full length using USEARCH (derep_fulllength), and then clustered to 100% similarity (cluster_fast) to alleviate sequence overrepresentation. All tested primers were run through Primer Prospector's analyze_primers.py script against all unaligned sequences using default parameters, which allows for some primer mismatch. We then generated in silico amplicons (get_amplicon_and_reads.py), and visually inspected and removed all amplicon files for long N-characters and appropriate size. The total number of sequences for bats is in parentheses, with the number of hits for each primer pair below.

Primer	Author	Comparable in silico?	Bat sequences (10523)
VF1	Ivanova et al. 2006	No*	38
BC1R	Ivanova et al. 2012		
BC2F	Ivanova et al. 2012	Yes	1182
BC2R	Ivanova et al. 2012		
BC3F	Ivanova et al. 2012	Yes	805
BC3R	Ivanova et al. 2012		
BC4F	Ivanova et al. 2012	Yes	0
BC4R	Ivanova et al. 2012		
BC5F	Ivanova et al. 2012	Yes	0
BC5R	Ivanova et al. 2012		
BC6F	Ivanova et al. 2012	No*	5
VR1	Ward et al. 2005		
SFF_145f	Walker et al. 2016	Yes	6088
SFF_351r	Walker et al. 2016		
SFF_145f	Walker et al. 2016	Yes	6988
SFF_492r	Walker et al. 2016		
SFF_210f	Walker et al. 2016	Yes	5726
SFF_492r	Walker et al. 2016		
SFF_348f	Walker et al. 2016	Yes	4958
SFF_492r	Walker et al. 2016		
SFF_210f	Walker et al. 2016	Yes	5124
SFF_351r	Walker et al. 2016		
SFF_145f	Walker et al. 2016	Yes	9126
SFF_348r	Walker et al. 2016		
SFF_210f	Walker et al. 2016	Yes	5124
SFF_348r	Walker et al. 2016		
SFF_351f	Walker et al. 2016	Yes	5759
SFF_492r	Walker et al. 2016		
BEGLCOIf	Walker et al. 2016	Yes	7618
BEGLCOIr	Walker et al. 2016		

^{*}Primers hybridize outside of the standard barcode region, and thus are not strictly comparable using the downloaded sequence dataset.